

PCR-/NAT *Salmonella enterica* (RV 537) Mai 2025



Tabelle 1: Probenzusammensetzung und erwartetes Ergebnis.

Sample composition and expected results.

Proben Nr.	Erwartet / expected		Probenzusammensetzung / Sample composition
537A 250520 01	+++	61	<i>S. enterica</i> ser. enteritidis (~ 5x10 ⁵ CFU/mL)
537A 250520 02	+++	61	<i>S. enterica</i> ser. paratyphi (~ 1x10 ⁵ CFU/mL)
537A 250520 03	++	61	<i>S. enterica</i> ser. paratyphi (~ 1x10 ⁴ CFU/mL)
537A 250520 04	Ø	62	<i>Escherichia coli</i> K12

Tabelle 2: Häufigkeit der Mitteilung verschiedener Befunde.

Absolute numbers of reported individual results.

<i>n</i> = 40		Proben Nr. (Sample no.)				Inhibition				
Befund Result		01	02	03	04		01	02	03	04
Positiv		40	40	32	2	n.d.	0	0	0	0
Negativ		0	0	8	38	nein no	40	40	40	40
Fraglich Questionable		0	0	0	0	ja yes	0	0	0	0

Tabelle 3: Häufigkeit richtig positiver und richtig negativer NAT-Befunde bei Anwendern verschiedener Methoden.

Absolute numbers and relative frequency of reported true positive and true negative results among various NAT methods

NAT-Methode [Code] (total number)	NAT richtig positiv True positive results						NAT richtig negativ	
	01		02		03		04	
	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%	Absolut Absolute	%
Amplex eazypex TyphiTyper (n= 1)	1	100	1	100	1	100	1	100
BD MAX Enteric Bacterial Panel (n= 6)	6	100	6	100	4	67	6	100
BioFire FILMARRAY GI Panel (n= 1)	1	100	1	100	1	100	0	0
Roche UC-TIB-Gastro-BAC (n= 1)	1	100	1	100	1	100	1	100
Seegene Allplex GI-Bacteria (I) (n= 6)	6	100	6	100	5	83	6	100
Seegene Allplex GI-EB Screening (n= 10)	10	100	10	100	7	70	10	100
RIDAGENE Bacterial Stool Panel (n= 3)	3	100	3	100	3	100	3	100
In house PCR assay (n= 7)	7	100	7	100	6	86	7	100
Other commercial tests (n= 5)	5	100	5	100	4	80	4	80

Comments:

1. The following tests are listed under "Other commercial tests": CerTest VIASURE Salmonella, Campylobacter and Y.enterocolitica Real Time PCR Detection Kit (1x), CerTest VIASURE Gastrointestinal Panel I Real Time PCR Detection Kit (1x), CONGEN SureFast Salmonella PLUS (1x), MIKROGEN ampliCube gastrointestinal Bacterial Panel 1 (1x) and QIAGEN QIAstat-Dx Gastrointestinal Panel 2 (1x).